

Kubota



KUBOTA ZERO TAIL SWING COMPACT EXCAVATOR

U

U25-3 SUPER SERIES

With the maneuverability and performance you need for those hard-to-reach digging jobs.



T4
TIER

*This information is sourced from overseas and may not necessarily apply locally. It is essential that you confirm specifications and other information with your local Kubota dealer.

The agility to get into the tightest spots and the performance to work its way out.



U25-3S

When the list of features starts with zero tail swing, includes strong bucket breakout force, and an advanced digital information panel, you know this excavator has what it takes to do the job. When larger machines won't fit, the U25-3S can get in, get the job done, and get back out again with superior speed and maximum efficiency.



Zero-Tail Swing

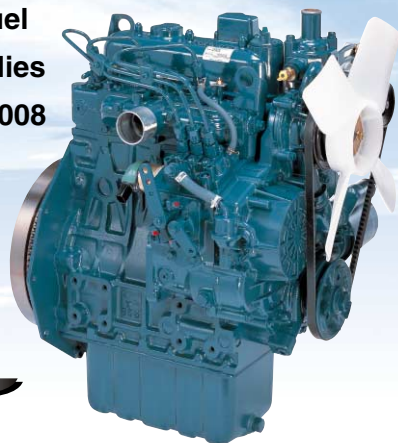
Tough job got you in a corner? Put a U25-3S to work on it. Zero-tail swing keeps the tail within the width of the tracks, so you can turn the house throughout its 360-degree turning radius without worrying about what is to the side or behind you. Zero-tail swing also ensures excellent balance, stability and fast operation, making the U25-3S ideal for jobs in congested urban areas.



Clean-running Kubota Engine

Complies with Tier IV!

Powerful and dependable, the U25-3S's diesel engine delivers superior horsepower and performance. It offers low noise and vibration levels, exceptional fuel efficiency, and complies with the U.S. EPA's 2008 Tier IV emissions regulations.



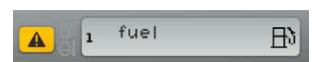
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Digital panel

Kubota's Intelligent Control System can help reduce downtime and repair fees by providing timely diagnostic readings and routine maintenance alerts. The large digital panel displays current working conditions, warning indicators, engine rpm and hour meter, fuel, temperature and oil levels. The panel not only lets you know when fuel is running low, but alerts you during refueling when the tank is nearly full.



Maintenance alerts



Low fuel display

Fuel overflow prevention

The U25-3S's fuel system warns you when the tank is nearly full. To begin refueling, turn the ignition key to the OFF position and press any of the buttons on the digital panel. The system will begin beeping. When the tank is nearly full, the interval between the beeps will become shorter.



Lifting capacity

Powerful and responsive, the U25-3S's front working group provides superior lifting capacity for digging, lifting, and loading. Even when working to the side, using hydraulic attachments, or lifting heavy objects, the U25-3S remains supremely stable, thanks to its innovative counter balancing technology, long tumbler distance, and Double Outer Flanged Lower Track Rollers.



Working range

The U25-3S's large bucket capacity, excellent reach and digging depth, give it the ability to perform a wide range of digging jobs with maximum efficiency and speed.



Strong bucket breakout force

The U25-3S offers a powerful breakout force: 2,320 kg with the dedicated bucket and quick coupler. That's more than enough to keep the U25-3S working efficiently even under the heaviest loads on the toughest excavating jobs.



2-speed travel switch

Changing speeds while dozing is now as easy as pressing a switch on the dozer lever. This 2-speed travel switch offers enhanced control and greater comfort while freeing up space on the floor.

ROPS/FOPS canopy

The U25-3S's ROPS/FOPS canopy provides complete protection from accidental rollovers and falling objects. The canopy is OSHA certified to ensure an extra level of safety and security on the job.

Suspension seat

Equipped with arm rests, the U25-3S's deluxe seat reduces fatigue and increases productivity by providing optimum comfort for operators of all sizes.

Wider foot area

More legroom means more operator comfort. And that means less operator fatigue and greater job efficiency.



Two-pattern Selection System (TPSS)

With a quick flick of a switch, the U25-3S changes from an ISO to an SAE operating pattern or back again. No tools are needed, and you don't have to leave your seat.





Protected bucket cylinder hoses

Routing the bucket cylinder hoses within the arm not only provides greater protection, it also improves operator visibility, increases hose service life, and lowers repair costs.



Auxiliary hydraulic system

Designed to accommodate a variety of attachments, such as breakers and augers, the U25-3S's auxiliary hydraulic system consists of port pipes on the arm, bi-directional auxiliary hydraulic controls, and a control valve. The auxiliary hydraulic connections are located within easy reach and incorporate short hoses that are less likely to become tangled or damaged.

Front pin bushings

Pin bushings are installed at all of the pivot points along the swing bracket, boom, arm, and bucket. Pin type bushings not only last longer, they are easier to replace when necessary.



Well protected front attachment hoses

To protect the front hoses from accidental damage, they are routed through the swing bracket. A metal cover plate at the back of the boom protects the operator should hose damage occur.



Upper track roller

Permanently lubricated upper track rollers, prevent the tracks from hitting the frame while the machine is moving, reducing both noise and wear.



Maintenance

Wide-opening covers provide fast and easy access to all critical engine components. The control valves are located under the deck. Two-piece hose connections for the dozer and boom cylinders simplify hose replacement and reduce downtime.



- 1 Hydraulic oil tank
- 2 Battery
- 3 Fuel tank



- 4 Dual element air cleaner
- 5 Coolant reserve tank
- 6 Fuel filter
- 7 Water separator
- 8 Radiator
- 9 Oil cooler

Safe, controlled starts

When the safety control lever is moved upward, the console moves with it, providing more room for entry and exit. To prevent unexpected machine movement during entry or exit, the pilot and travel controls are then disabled. This is the only time that the engine will crank over.

Straight travel

The U25-3's Hydraulic Matching System ensures safer loading and off-loading by keeping the U25-3 traveling in a straight line while operating the boom.

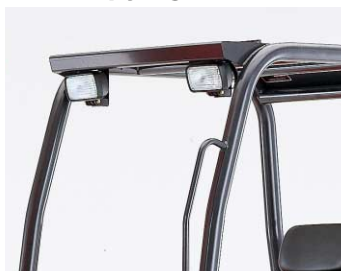
Swivel negative brake

Whenever the engine is stopped or the safety control lever is raised, the swivel negative brake automatically locks the house in its current position, thus eliminating the need for a swivel transport lock pin.

U25-3S OPTIONS

● Buckets

● Canopy lights



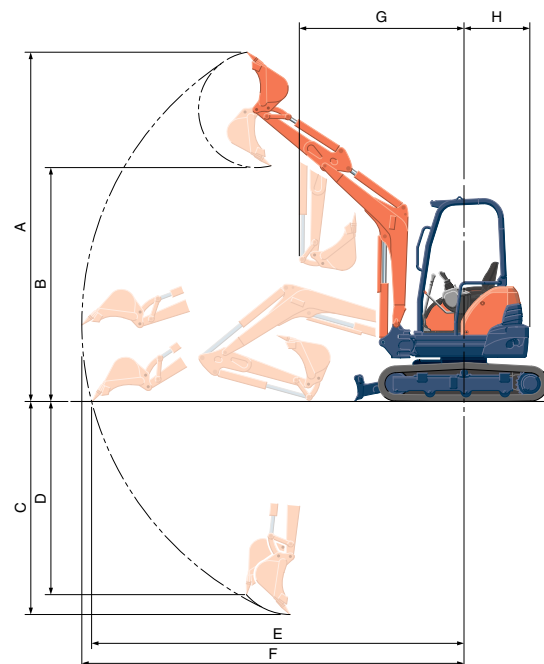
● Quick coupler



WORKING RANGE

Model				U25-3S
A	Max. digging height	mm		4530
B	Max. dumping height	mm		3210
C	Max. digging depth	mm		2810
D	Max. vertical digging depth	mm		1960
E	Max. digging radius at ground	mm		4670
F	Max. digging radius	mm		4770
G	Min. turning radius	W/o swing	mm	1900
		With swing	mm	1420
H	Min. tail turning radius	mm		760

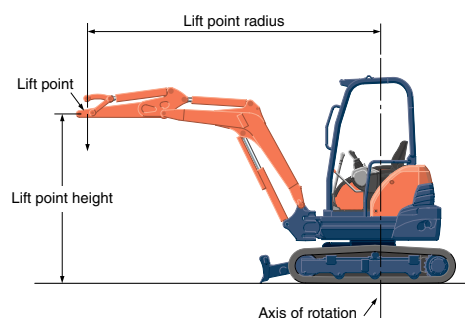
The company reserves the right to change the above specifications without notice. This brochure is for descriptive purpose only. Please contact your local Kubota dealer for warranty information. For your safety, Kubota strongly recommends the use of a Rollover Protective structure (ROPS) and seat belt almost all applications.



LIFTING CAPACITY

LIFT POINT HEIGHT (m)		LIFTING CAPACITY OVER-FRONT BLADE DOWN unit=ton			LIFTING CAPACITY OVER-SIDE unit=ton		
		LIFT POINT RADIUS (m)			LIFT POINT RADIUS (m)		
		2.5	3.5	MAX	2.5	3.5	MAX
GL	2.5	-	0.46	-	-	0.35	-
	1.5	0.65	0.51	0.47	0.58	0.34	0.28
	0.5	0.91	0.58	0.50	0.54	0.33	0.27
	0	0.96	0.60	-	0.53	0.32	-

Machine with ROPS canopy and rubber crawler, without bucket

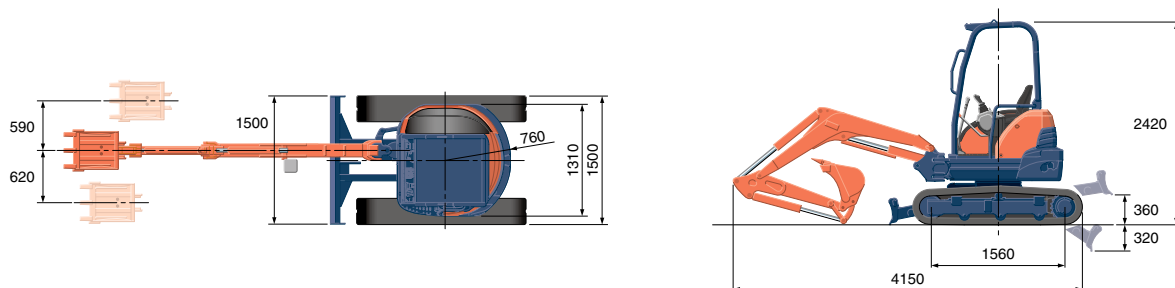


SPECIFICATIONS

Model				U25-3S
Type of ROPS / FOPS				Canopy
Type of tracks				Rubber
Engine	Model			Kubota D1105-E3
	Output (SAEJ 1995 gross)		HP (kW)/rpm	20.9 (15.6) / 2400
	Output (SAEJ 1349 net)		HP (kW)/rpm	19.8 (14.8) / 2400
	Displacement		cc	1123
Dimensions	Overall length		mm	4150
	Overall height		mm	2420
	Overall width		mm	1500
	Min. ground clearance		mm	285
Hydraulic system	Pump capacity		ℓ/min	28.8 Piston × 2 / 19.2 Gear × 1
	Auxiliary hydraulic flow		ℓ/min	48
	Max. breakout force	Bucket / Arm	kgf	2320 / 1245
Drive system	Travel speed		km/h	2.5 / 4.5
	Max. drawbar pull		kgf	3060
	Tumbler distance		mm	1560
	Crawler length		mm	2000
	Shoe width		mm	300
	Ground contact pressure		kgf/cm ²	0.23
Swing system	Unit swing speed		rpm	9.8
	Boom swing angle	Left / Right	degree	75 / 55
Blade	Dimensions	Width	mm	1500
		Height	mm	300
	Max. lift above ground		mm	360
	Max. drop below ground		mm	320
Hydraulic oil (reservoir / system)			ℓ	22 / 37
Fuel reservoir			ℓ	28
Operating weight (Including operator's weight 80 kg.)			kgs	2550

*Specifications are subject to change without notice for purpose of improvement.

DIMENSIONS



Unit: mm

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